

Notice of Allowability

Application No.

10/629,113

Examiner

Melissa J Koval

Applicant(s)

NOTAGASHIRA, HIDEFUMI

Art Unit

2851

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the RCE of August 18, 2004.
2. ☒ The allowed claim(s) is/are 24-37 (now renumbered 1-14).
3. ☒ The drawings filed on 29 July 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 10/157,556.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 8/18/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Allowable Subject Matter

Claims 24-37 (now renumbered 1-14) are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record neither shows nor suggests the projector apparatus comprising all of the elements of claim 24 and particularly: "wherein a thickness of said substrate of said optical element arranged on exit surface side of said first image forming panel is larger than those of said substrates of said optical elements arranged on exit surface sides of said second and third image forming panels in said optical elements each arranged on exit surface side of said first image forming panel, said second image forming panel and said third image forming panel".

The prior art of record neither shows nor suggests the projector apparatus comprising all of the elements of claim 26 and particularly: "wherein an area of said substrate of said optical element arranged on exit surface side of said first image forming panel is larger than those of said substrates of said optical elements arranged on exit surface sides of said second and third image forming panels in said optical elements each arranged on exit surface side of said first image forming panel, said second image forming panel and said third image forming panel".

The prior art of record neither shows nor suggests the projector apparatus comprising all of the elements of claim 28 and particularly: "wherein a surface area of said substrate of said optical element arranged on exit surface side of said first image forming panel is larger than those of said substrates of said optical elements arranged

on exit surface sides of said second and third image forming panels in said optical elements each arranged on exit surface side of said first image forming panel, said second image forming panel and said third image forming panel”.

The prior art of record neither shows nor suggests the projector apparatus comprising all of the elements of claim 30 and particularly: “wherein a thickness of said first polarizing plate is greater than a thickness of said second polarizing plate and a thickness of said third polarizing plate”. Claim 34 is allowed for the same reasons.

The prior art of record neither shows nor suggests the projector apparatus comprising all of the elements of claim 32 and particularly: “wherein a thermal conductivity of a material of said first polarizing plate is greater than a thermal conductivity of a material of said second polarizing plate and a thermal conductivity of a material of said third polarizing plate”. Claim 36 is allowed for the same reasons.

As a result, image quality suffers less degradation due to heat load on the components than in the prior art.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melissa J Koval whose telephone number is (571) 272-2121. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Judy Nguyen can be reached on (571)272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MJK


JUDY NGUYEN
PRIMARY EXAMINER